

WEBVTT

NOTE duration:"00:03:43.2960000"

NOTE language:en-us

NOTE Confidence: 0.80697256

00:00:00.000 --> 00:00:02.149 So in General, Lynch syndrome is amount

NOTE Confidence: 0.80697256

00:00:02.149 --> 00:00:04.430 where we got multi cancer syndrome.

NOTE Confidence: 0.80697256

00:00:04.430 --> 00:00:06.040 So while colon and endometrial

NOTE Confidence: 0.80697256

00:00:06.040 --> 00:00:08.420 cancer are the ones that carry the

NOTE Confidence: 0.80697256

00:00:08.420 --> 00:00:10.180 highest risk for Lynch syndrome,

NOTE Confidence: 0.80697256

00:00:10.180 --> 00:00:12.686 in fact it's in multi cancer syndrome

NOTE Confidence: 0.80697256

00:00:12.686 --> 00:00:14.802 where there are other organs that

NOTE Confidence: 0.80697256

00:00:14.802 --> 00:00:17.070 have also carry a high risk of

NOTE Confidence: 0.80697256

00:00:17.143 --> 00:00:19.362 cancer from ovaries to the rest of

NOTE Confidence: 0.80697256

00:00:19.362 --> 00:00:21.436 the GI tract to the urinary track.

NOTE Confidence: 0.80697256

00:00:21.436 --> 00:00:23.987 So so it has to be approached as

NOTE Confidence: 0.80697256

00:00:23.987 --> 00:00:26.393 such as a multi cancer syndrome.

NOTE Confidence: 0.80697256

00:00:26.400 --> 00:00:28.638 The Lynch syndrome is due to

NOTE Confidence: 0.80697256

00:00:28.638 --> 00:00:31.650 mutations in a set of genes that are.

NOTE Confidence: 0.80697256
00:00:31.650 --> 00:00:33.320 Called Miss my trooper jeans
NOTE Confidence: 0.80697256
00:00:33.320 --> 00:00:35.451 and their job is really fixing
NOTE Confidence: 0.80697256
00:00:35.451 --> 00:00:37.803 particular types of defects in the
NOTE Confidence: 0.80697256
00:00:37.803 --> 00:00:40.139 DNA daughter chains that are created.
NOTE Confidence: 0.80697256
00:00:40.140 --> 00:00:42.892 Those defects do happen in a regular basis
NOTE Confidence: 0.80697256
00:00:42.892 --> 00:00:45.300 as daughter kids keep getting created.
NOTE Confidence: 0.80697256
00:00:45.300 --> 00:00:46.748 Our bodies not perfect,
NOTE Confidence: 0.80697256
00:00:46.748 --> 00:00:48.558 but everybody has those mechanisms
NOTE Confidence: 0.80697256
00:00:48.558 --> 00:00:50.468 to really fix those defects.
NOTE Confidence: 0.80697256
00:00:50.470 --> 00:00:52.155 When those genes are mutated
NOTE Confidence: 0.80697256
00:00:52.155 --> 00:00:54.695 they can do their job of fixing
NOTE Confidence: 0.80697256
00:00:54.695 --> 00:00:57.041 those errors and those are start
NOTE Confidence: 0.80697256
00:00:57.041 --> 00:00:59.715 propagating and the new cells that are
NOTE Confidence: 0.80697256
00:00:59.715 --> 00:01:01.877 generated become cells that are not.
NOTE Confidence: 0.80697256
00:01:01.877 --> 00:01:02.551 Well controlled,
NOTE Confidence: 0.80697256

00:01:02.551 --> 00:01:04.236 and that's how cancer evolves
NOTE Confidence: 0.80697256

00:01:04.236 --> 00:01:05.480 in Lynch syndrome.
NOTE Confidence: 0.80697256

00:01:05.480 --> 00:01:06.248 In general,
NOTE Confidence: 0.80697256

00:01:06.248 --> 00:01:08.936 cancers do develop fast and Lynch syndrome,
NOTE Confidence: 0.80697256

00:01:08.940 --> 00:01:10.472 even though the prognosis
NOTE Confidence: 0.80697256

00:01:10.472 --> 00:01:12.004 in general is better.
NOTE Confidence: 0.80697256

00:01:12.010 --> 00:01:14.418 But the key thing for Lynch syndrome
NOTE Confidence: 0.80697256

00:01:14.418 --> 00:01:16.619 is very early diagnosis early,
NOTE Confidence: 0.80697256

00:01:16.620 --> 00:01:18.540 so we can catch cancers.
NOTE Confidence: 0.80697256

00:01:18.540 --> 00:01:19.689 Probably in general,
NOTE Confidence: 0.80697256

00:01:19.689 --> 00:01:21.987 the cancer risk varies for colon,
NOTE Confidence: 0.80697256

00:01:21.990 --> 00:01:22.758 for instance,
NOTE Confidence: 0.80697256

00:01:22.758 --> 00:01:25.446 in Lynch syndrome can go from 12%
NOTE Confidence: 0.80697256

00:01:25.450 --> 00:01:28.138 for one of the mutations called PMS,
NOTE Confidence: 0.80697256

00:01:28.140 --> 00:01:31.204 two to about 50% for the more comma,
NOTE Confidence: 0.80697256

00:01:31.210 --> 00:01:34.274 or the jeans that carry a higher risk.

NOTE Confidence: 0.80697256

00:01:34.280 --> 00:01:37.017 So there's quite a bit of variability.

NOTE Confidence: 0.80697256

00:01:37.020 --> 00:01:39.106 So it's important for us to know

NOTE Confidence: 0.80697256

00:01:39.106 --> 00:01:41.343 which is the particular gene that's

NOTE Confidence: 0.80697256

00:01:41.343 --> 00:01:43.887 causing with children and the other

NOTE Confidence: 0.80697256

00:01:43.887 --> 00:01:46.369 types of cancers we talk about also

NOTE Confidence: 0.80697256

00:01:46.369 --> 00:01:49.124 vary depending on on the type of gene.

NOTE Confidence: 0.80697256

00:01:49.124 --> 00:01:50.908 For instance, the endometrial cancers

NOTE Confidence: 0.80697256

00:01:50.908 --> 00:01:53.400 have a high Association with MSN Six,

NOTE Confidence: 0.80697256

00:01:53.400 --> 00:01:55.180 another is my trooper gene,

NOTE Confidence: 0.80697256

00:01:55.180 --> 00:01:56.960 so those are important details,

NOTE Confidence: 0.80697256

00:01:56.960 --> 00:02:00.155 so lynching them as a whole is an entity,

NOTE Confidence: 0.80697256

00:02:00.160 --> 00:02:02.645 but it has a lot of flavors,

NOTE Confidence: 0.80697256

00:02:02.650 --> 00:02:05.765 and often they depend on that particular

NOTE Confidence: 0.80697256

00:02:05.765 --> 00:02:08.398 gene that's effective when it comes to.

NOTE Confidence: 0.80697256

00:02:08.400 --> 00:02:09.662 Lynch syndrome,

NOTE Confidence: 0.80697256

00:02:09.662 --> 00:02:12.186 with why identify individuals
NOTE Confidence: 0.80697256

00:02:12.186 --> 00:02:15.580 who carry the genetic defects.
NOTE Confidence: 0.80697256

00:02:15.580 --> 00:02:18.850 We do have surveillance strategies,
NOTE Confidence: 0.80697256

00:02:18.850 --> 00:02:20.148 chemopreventive strategies,
NOTE Confidence: 0.80697256

00:02:20.148 --> 00:02:23.393 and that, and also surgical
NOTE Confidence: 0.80697256

00:02:23.393 --> 00:02:26.679 interventions that can prevent cancer.
NOTE Confidence: 0.80697256

00:02:26.680 --> 00:02:32.560 For colon, colonoscopy is well accepted in.
NOTE Confidence: 0.80697256

00:02:32.560 --> 00:02:34.216 Procedure that does help
NOTE Confidence: 0.80697256

00:02:34.216 --> 00:02:35.458 prevent colon cancer.
NOTE Confidence: 0.80697256

00:02:35.460 --> 00:02:41.188 It has to be done very, very in a very.
NOTE Confidence: 0.80697256

00:02:41.190 --> 00:02:41.520 Uh,
NOTE Confidence: 0.80697256

00:02:41.520 --> 00:02:44.160 every one to two years to make sure
NOTE Confidence: 0.80697256

00:02:44.160 --> 00:02:46.590 that we catch the cancers early,
NOTE Confidence: 0.80697256

00:02:46.590 --> 00:02:48.732 not because we said those answers
NOTE Confidence: 0.80697256

00:02:48.732 --> 00:02:50.160 about class for endometrial
NOTE Confidence: 0.80697256

00:02:50.223 --> 00:02:51.627 and ovarian cancer risk.

NOTE Confidence: 0.80697256

00:02:51.630 --> 00:02:54.024 Often it comes down to discussing

NOTE Confidence: 0.80697256

00:02:54.024 --> 00:02:55.221 hysterectomy after childbearing

NOTE Confidence: 0.80697256

00:02:55.221 --> 00:02:56.669 age most of the time,

NOTE Confidence: 0.80697256

00:02:56.670 --> 00:02:58.355 so they're interventions are really

NOTE Confidence: 0.80697256

00:02:58.355 --> 00:03:00.630 tailored to the to the patients.

NOTE Confidence: 0.80697256

00:03:00.630 --> 00:03:02.435 Aspirin as a chemopreventive agent

NOTE Confidence: 0.80697256

00:03:02.435 --> 00:03:05.363 has been found to be a very effective

NOTE Confidence: 0.80697256

00:03:05.363 --> 00:03:07.463 agent when taken in high doses,

NOTE Confidence: 0.80697256

00:03:07.470 --> 00:03:09.498 so there are studies going on

NOTE Confidence: 0.80697256

00:03:09.498 --> 00:03:11.727 right now trying to identify if

NOTE Confidence: 0.80697256

00:03:11.727 --> 00:03:13.335 lower doses could have.

NOTE Confidence: 0.80697256

00:03:13.340 --> 00:03:15.596 A significant preventive effect for cancer,

NOTE Confidence: 0.80697256

00:03:15.600 --> 00:03:15.985 too,

NOTE Confidence: 0.80697256

00:03:15.985 --> 00:03:18.295 so there's other things in the

NOTE Confidence: 0.80697256

00:03:18.295 --> 00:03:19.450 horizon and chemopreventive

NOTE Confidence: 0.82261896

00:03:19.518 --> 00:03:21.865 world too. So in general we have
NOTE Confidence: 0.82261896

00:03:21.865 --> 00:03:24.091 learned a lot about the children
NOTE Confidence: 0.82261896

00:03:24.091 --> 00:03:26.539 we are still learning a lot,
NOTE Confidence: 0.82261896

00:03:26.540 --> 00:03:29.172 but we do know how to effectively
NOTE Confidence: 0.82261896

00:03:29.172 --> 00:03:30.708 prevent cancer, Lynch syndrome,
NOTE Confidence: 0.82261896

00:03:30.708 --> 00:03:32.653 and that's why it's so
NOTE Confidence: 0.82261896

00:03:32.653 --> 00:03:34.080 important to diagnose it,
NOTE Confidence: 0.82261896

00:03:34.080 --> 00:03:36.372 and that's why it's so important
NOTE Confidence: 0.82261896

00:03:36.372 --> 00:03:37.900 to diagnose that individuals
NOTE Confidence: 0.82261896

00:03:37.972 --> 00:03:39.727 who never had cancer before,
NOTE Confidence: 0.82261896

00:03:39.730 --> 00:03:41.710 so we can actually prevent
NOTE Confidence: 0.82261896

00:03:41.710 --> 00:03:43.294 that develop these answers.